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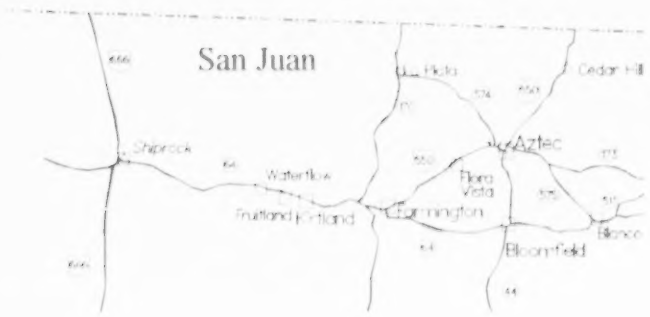
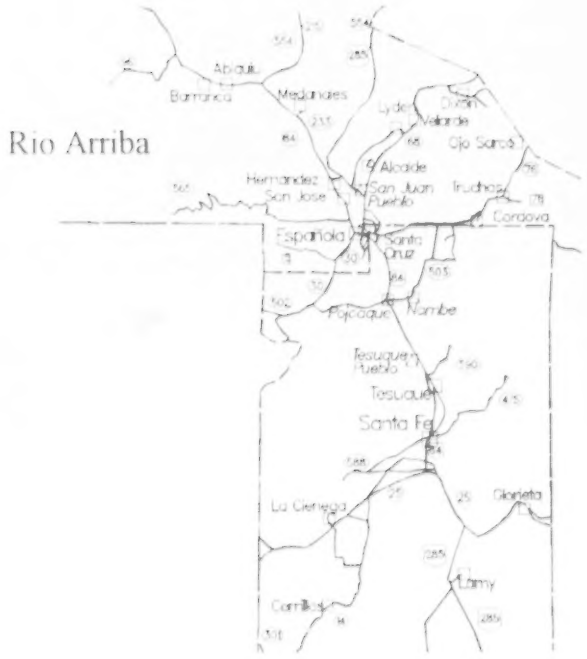
New Mexico's Highest Crash Rate Rural Highway Segments, 1993

(See page 15)





Santa Fe

New Mexico
Traffic Crash Information
1993

New Mexico State Highway and Transportation Department
Transportation Programs Division
Traffic Safety Bureau

September 1994

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as a reference source regarding
New Mexico traffic crashes

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INTRODUCTION

This edition of *New Mexico Traffic Crash Information* reviews traffic crash data in New Mexico from January through December, 1993. It presents crash data in the form of graphs for those who prefer an impressionistic view and tables for those who require reference information. Maps are provided where a geographic perspective is useful.

The statistics shown in this publication record only those crashes that occurred on public roadways and resulted in death, personal injury, or $500 or more in property damage according to the investigating officer's judgement. No account is kept of unreported crashes or crashes that occurred on private property.

The information found in this report was drawn from the Uniform Accident reports, which are distinct from those required by the New Mexico's Financial Responsibility Act: statutes 66-5-20 to 66-5-235. They are compiled and processed by the Transportation Statistics Bureau of the New Mexico Highway and Transportation Department, and reprocessed by the Division of Government Research for statistical analysis and report generation. Since the data are occasionally incomplete or imprecise, discrepancies may be found in a few tables. Estimated and revised figures are indicated where applicable. Tables that count occupants now count **all** occupants instead of just occupants involved in fatal or injury crashes, and therefore are not comparable to previous years.

A great debt is owed to those hundreds of police officers accross the state who made this report possible.

Requests for further information or additional copies of this report should be addressed to:

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DEFINITIONS

Some special terms are used throughout this report. The following list is provided to help clarify those terms.

Vehicle Miles - the number of miles traveled annually by motor vehicles. MVM and 100 MVM stand for million and one hundred million vehicle miles, respectively.

Traffic Crash - a crash involving one or more motor vehicles.

Crash Rate - crashes per 100 MVM unless otherwise specified.

Death Rate - traffic fatalities per 100 MVM unless otherwise specified.

Alcohol-involved - a crash in which a DWI citation was issued, alcohol was listed as a contributing factor on the Uniform Accident report, or any driver or pedestrian had been drinking according to the accident report.

Urban - a town or a city with a population of 2,500 or more.

Rural - an area with a population of less than 2,500.

Local Resident - a person whose residence was within 25 miles of the crash site.

Fatal - designates a crash where one or more persons were killed.

Injury - designates a crash where one or more persons were injured. Fatal crashes are not counted again as injury crashes.

Property Damage Only (Property Damage) - designates a crash involving no injuries or fatalities.

Killed - the number of persons killed in a crash, as opposed to the number of crashes in which people were killed. The term fatalities is also used.

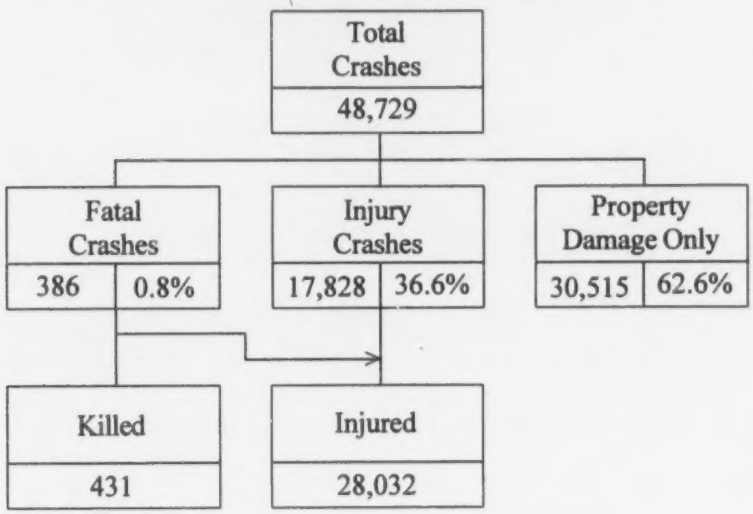
Injured - the number of persons injured in a crash, as opposed to the number of crashes in which people were injured. Injury counts include persons injured but not killed in fatal crashes.

OVERVIEW

In 1993 ...

- A person died in a crash every 20 hours.
- A person was injured in a crash every 19 minutes.
- A traffic crash occurred every 11 minutes.

New Mexico Crashes by Severity, 1993



New Mexico Roadway Statistics, 1984 - 1993

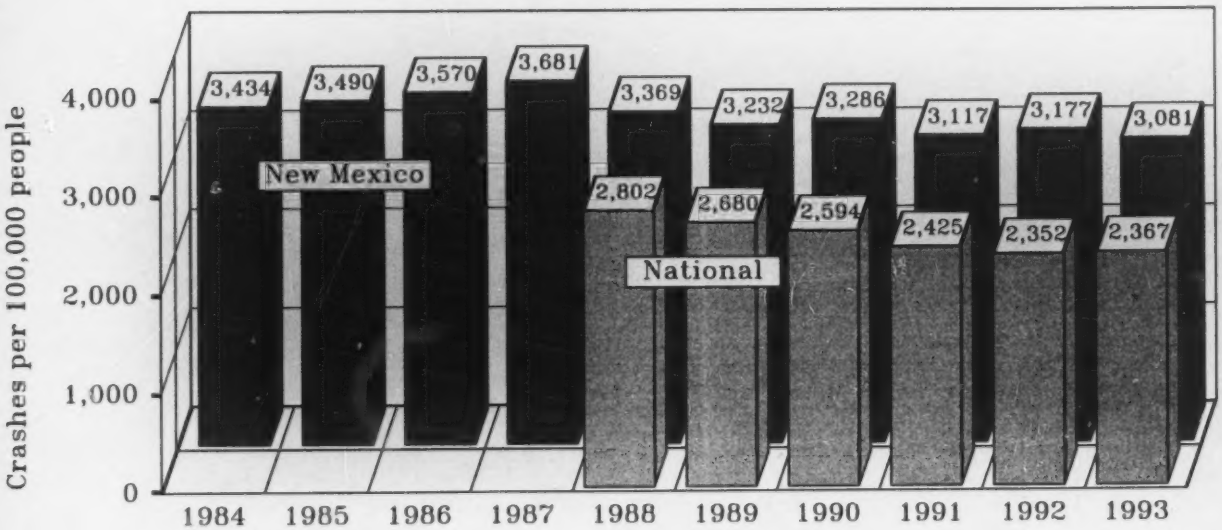
Calendar Year	New Mexico				Death Rates[1]	
	Motor Vehicle Registrations	MVM[2] Traveled	Traffic Fatalities	Traffic Injuries	New Mexico	United States[3]
1993	1,450,982	20,632	431	28,032	27.2	15.5
1992	1,376,571	18,932	460	27,195	29.1	15.4
1991	1,280,948	18,434	469	24,619	31.0	16.5
1990	1,289,412	17,877	499	24,904	32.9	17.9
1989	1,242,234	17,625	538	24,962	35.2	18.4
1988	1,277,110	16,620	487	26,369	32.3	19.2
1987	1,331,560	13,809	568	26,144	38.0	19.1
1986	1,218,784	13,267	499	24,739	33.8	19.1
1985	1,233,728	13,307	535	24,893	36.9	18.4
1984	1,287,307	12,951	497	24,040	34.9	18.7

1 Rates are per 100,000 population.
2,3 See page 36.

New Mexico's ...

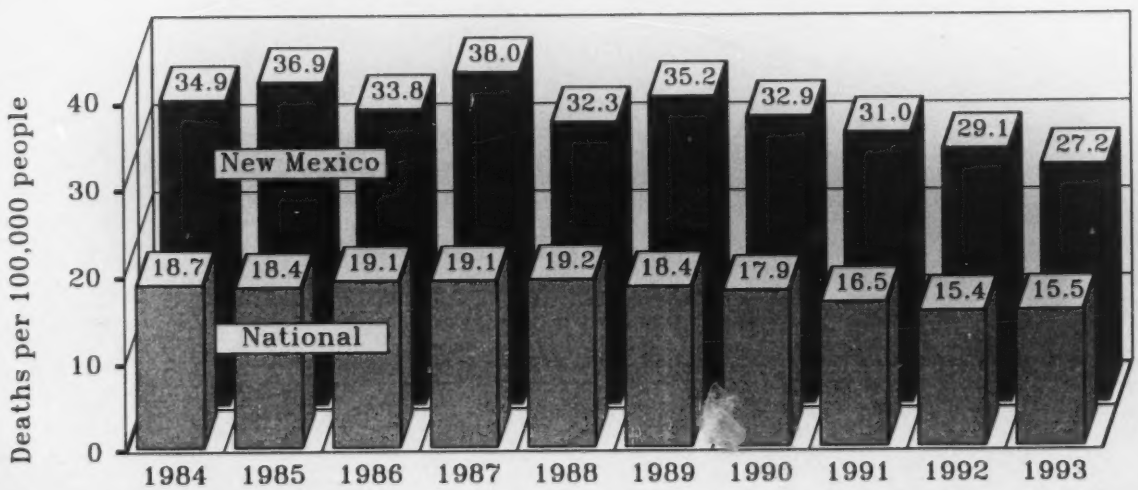
- Crash rate is 30 percent higher and its crash death rate is 75 percent higher than the corresponding National rates.
- Crash death rate decreased 23 percent from 1989 to 1993.

New Mexico and National Crash Rates, 1984 - 1993



See page 36.

New Mexico and National Crash Death Rates, 1984 - 1993



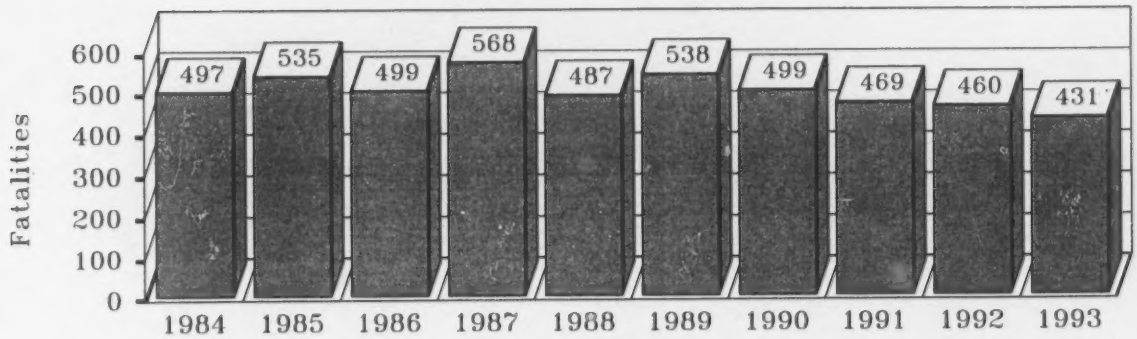
See page 36.

OVERVIEW

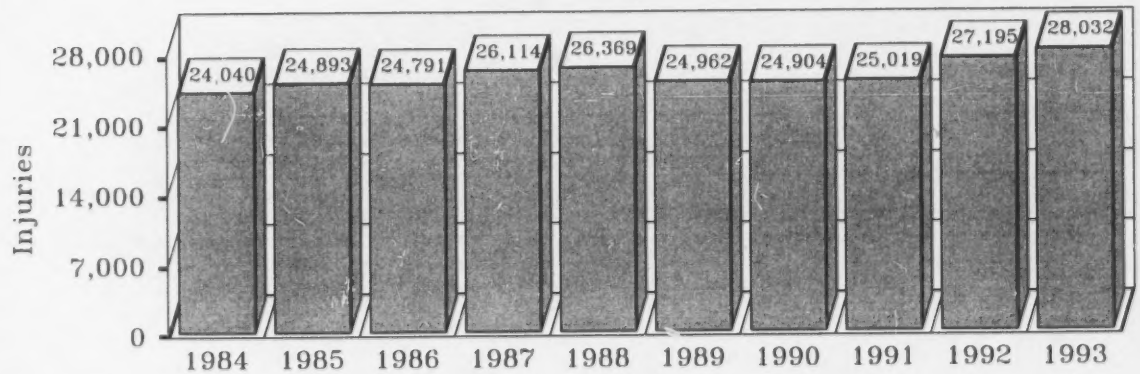
In 1993 compared to 1992, there were ...

- 29 (6 percent) fewer crash-related deaths.
- 837 (3 percent) more crash-related injuries.
- 1,498 (3 percent) fewer traffic crashes.

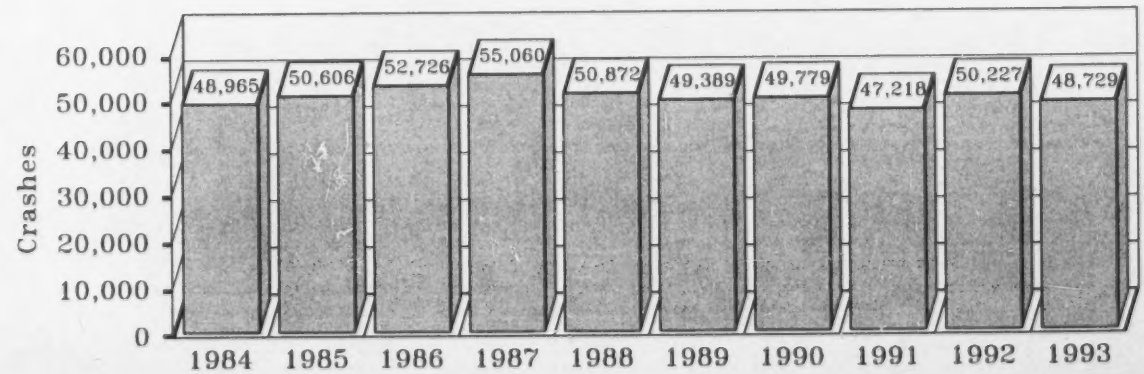
New Mexico Crash Fatalities by Year, 1984 - 1993



New Mexico Crash Injuries by Year, 1984 - 1993



New Mexico Crashes by Year, 1984 - 1993



In 1993, there were on average ...

- 107 more crashes monthly during the summer months (May, June, July, August) than the rest of the year.
- 26 more fatal crashes on weekend days (Friday, Saturday, Sunday) than other days of the week.

New Mexico Crashes by Month, 1993

Month	Total	Percent	Total	Fatal	Percent	Fatal
January	3,946	8.1		20	5.2	
February	3,592	7.4		22	5.7	
March	3,836	7.9		30	7.8	
April	3,847	7.9		44	11.4	
May	4,099	8.4		29	7.5	
June	4,112	8.4		33	8.5	
July	3,979	8.2		37	9.6	
August	4,339	8.9		33	8.5	
September	4,168	8.6		34	8.8	
October	4,767	9.8		49	12.7	
November	3,921	8.0		26	6.7	
December	4,123	8.5		29	7.5	
Total	48,729	100.0	2,500 5,000	386	100.0	15 30 45

In 1993 ...

- 54 percent of all fatal crashes occured during the weekend.

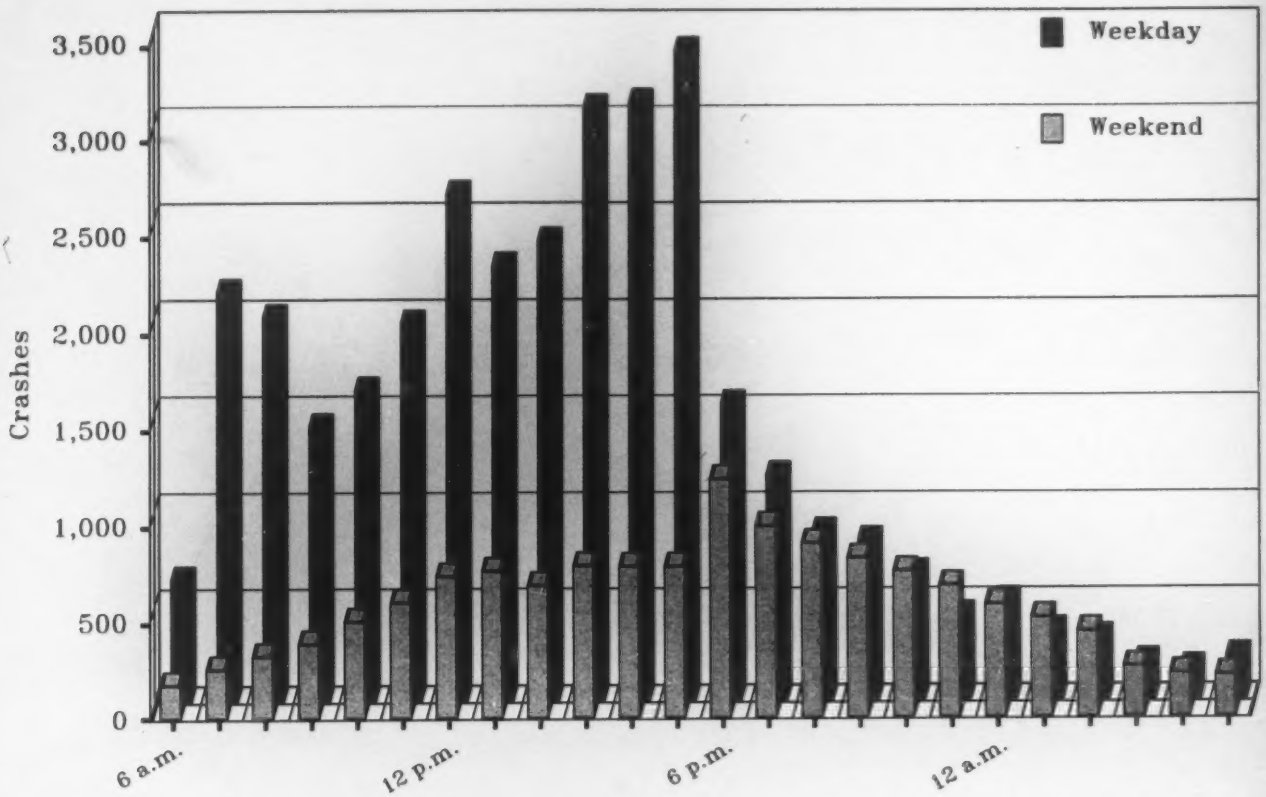
New Mexico Crashes by Day of the Week, 1993

Day	Total	Percent	Total	Fatal	Percent	Fatal
Sunday	4,478	9.3		51	13.2	
Monday	6,785	14.1		50	13.0	
Tuesday	6,994	14.5		32	8.3	
Wednesday	7,078	14.7		46	11.9	
Thursday	7,095	14.7		49	12.7	
Friday	9,030	18.7		73	18.9	
Saturday	6,813	14.1		85	22.0	
Total	48,273	100.0	5,000 10,000	386	100.0	30 60 90

- For this table, each day was considered to run from 6 a.m. to 5:59 the following morning.

WHEN

New Mexico Crashes by Hour of the Day, 1993



Weekend starts Friday evening at 6 p.m. and ends Monday morning at 5:59 a.m. For perspective, the weekend period has 60 hours total, while the weekday period consists of 108 hours.

Friday between 3 and 6 p.m. was the least safe time to drive in urban areas.

New Mexico's Seven Least Safe Hours of the Week, 1993

Urban			
Day	Hour	Crashes	% of Total
Friday	3 p.m.	702	1.8
Friday	5 p.m.	633	1.7
Friday	4 p.m.	632	1.7
Thursday	5 p.m.	612	1.6
Wednesday	5 p.m.	590	1.5
Tuesday	5 p.m.	558	1.5
Tuesday	4 p.m.	538	1.4

Rural			
Day	Hour	Crashes	% of Total
Friday	6 p.m.	109	1.1
Saturday	6 p.m.	109	1.1
Sunday	4 p.m.	108	1.1
Thursday	6 p.m.	106	1.1
Friday	5 p.m.	105	1.0
Wednesday	4 p.m.	101	1.0
Monday	7 a.m.	100	1.0

New Mexico Crashes During Holiday Periods, 1990 - 1993

Holiday	Total Hours	Beginning (6 p.m.)	Ending (midnight)	Crashes			People	
				Total	Fatal	Injury	Killed	Injured
Easter								
1993	54	4/09	4/11	254	6	100	6	160
1992	54	4/17	4/19	257	2	95	2	139
1991	54	3/29	3/31	287	3	90	3	170
1990	54	4/13	4/15	293	7	102	10	178
Memorial Day								
1993	78	5/28	5/31	347	8	134	10	247
1992	78	5/22	5/25	399	5	144	5	248
1991	78	5/24	5/27	366	3	135	3	228
1990	78	5/25	5/28	364	10	133	11	228
July 4th								
1993	78	7/2	7/5	361	4	151	6	264
1992	78	7/2	7/5	395	4	140	5	262
1991	30	7/3	7/4	183	3	70	4	114
1990	30	7/3	7/4	178	4	64	9	119
Labor Day								
1993	78	9/03	9/6	376	6	150	9	252
1992	78	9/04	9/7	398	6	155	7	268
1991	78	8/30	9/2	341	3	147	4	252
1990	78	8/31	9/3	408	4	168	4	272
Thanksgiving								
1993	102	11/24	11/28	399	7	140	9	235
1992	102	11/25	11/29	418	4	124	4	218
1991	102	11/27	12/01	637	6	193	8	317
1990	102	11/21	11/25	457	5	141	6	255
Christmas								
1993	78	12/23	12/26	353	1	140	1	250
1992	102	12/23	12/27	413	4	133	7	242
1991	54	12/23	12/25	244	4	79	5	123
1990	102	12/21	12/25	856	2	196	2	292
New Year's								
1993-1994	78	12/30	1/2/94	-	3	-	4	-
1992-1993	78	12/31	1/3/93	320	2	101	2	154
1991-1992	54	12/30	1/1/92	352	0	121	0	190
1990-1991	102	12/28	1/1/91	479	3	137	3	286

New Mexico Fatalities by Day*, 1993

January

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

February

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

March

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

April

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

May

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

June

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

July

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

August

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

September

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

October

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

November

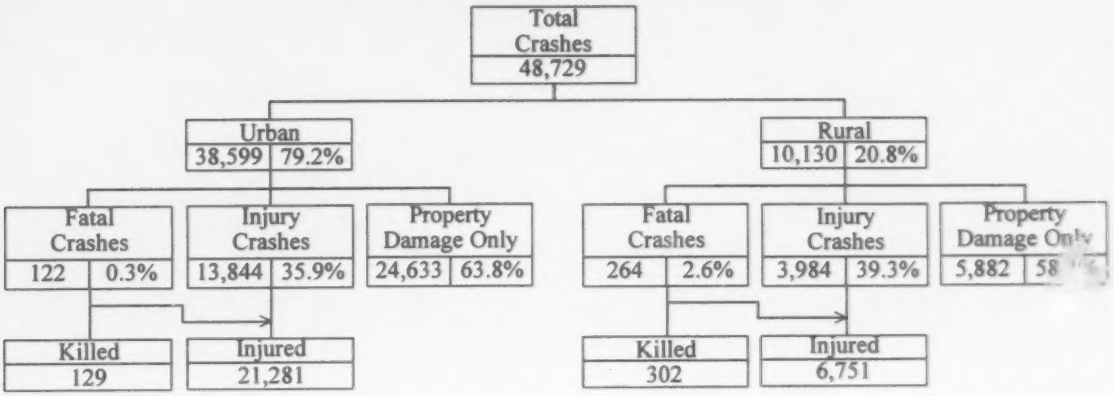
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

December

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

* Unlike other graphs and tables in this section, crashes that occur between midnight and 5:59 am are not shifted to the previous day.

New Mexico Crashes by Road System, 1993



New Mexico Crashes on Pueblos and Reservations, 1993

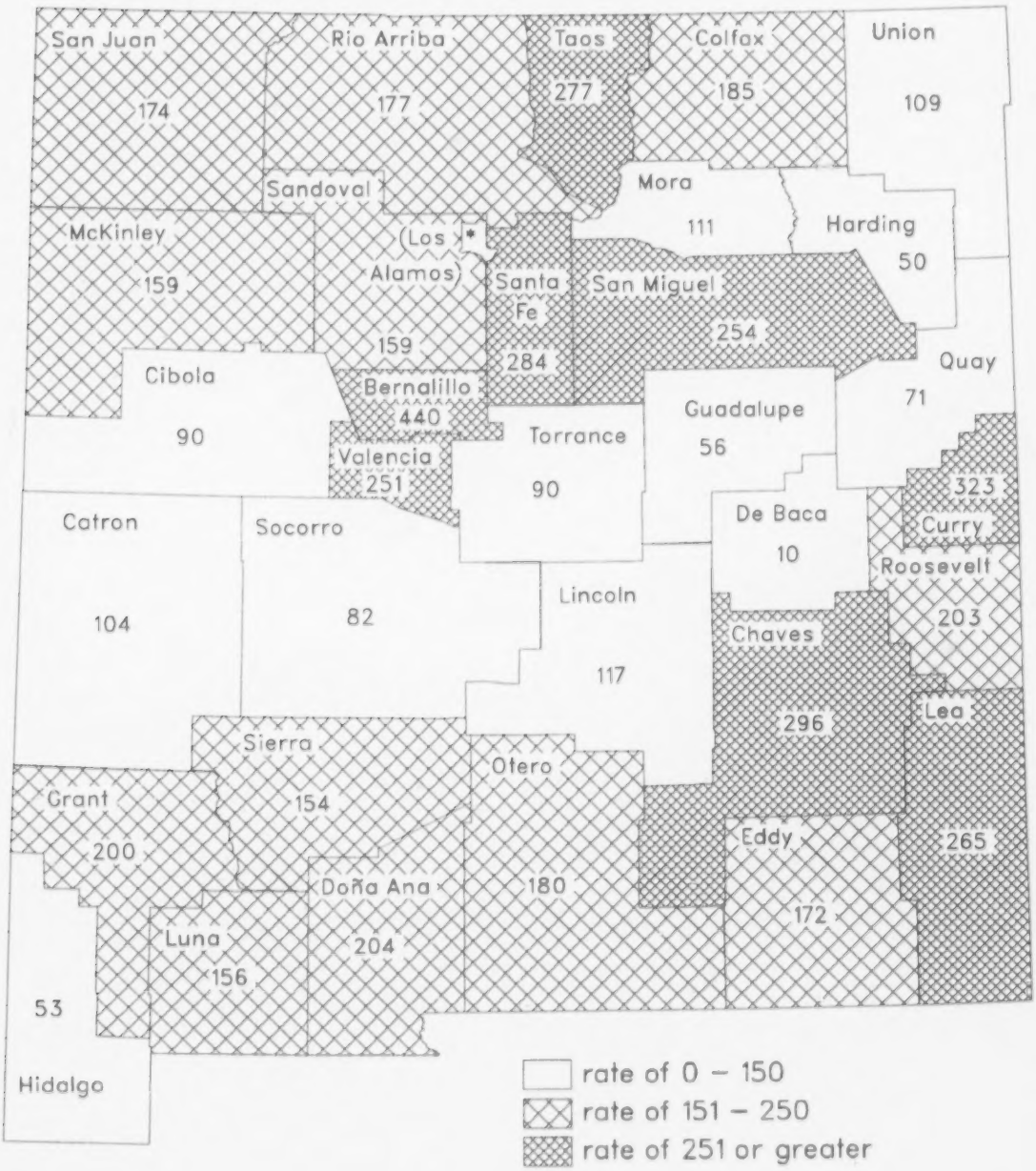
Pueblo or Reservation	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Acoma	50	1	20	29	1	32
Alamo Navajo	7	0	6	1	0	7
Canoncito Navajo	2	1	0	1	1	7
Cochiti	11	1	6	4	1	9
Isleta	99	3	49	47	3	90
Jemez	20	0	7	13	0	9
Jicarilla Apache	54	3	10	41	4	16
Laguna	131	7	56	68	8	108
Mescalero Apache	50	3	14	33	3	30
Nambe	4	0	3	1	0	5
Navajo	425	14	197	214	14	340
Picuris	12	0	4	8	0	6
Pojoaque	56	1	24	31	1	42
Ramah Navajo	12	0	3	9	0	4
Sandia	62	2	29	31	3	47
San Felipe	63	4	21	38	4	39
San Ildefonso	16	0	9	7	0	18
San Juan	55	0	28	27	0	44
Santa Ana	25	0	16	9	0	22
Santa Clara	16	0	9	7	0	13
Santo Domingo	45	1	17	27	1	29
Tesuque	44	1	22	21	1	43
Zia	15	0	4	11	0	6
Zuni	66	3	24	39	3	41

New Mexico Crashes by County, 1993

County	Crashes				People		Rates		Economic Loss*	100 MVM
	Total	Fatal	Injury	Property Damage	Killed	Injured	Crash Rate	Death Rate		
Bernalillo	19,675	74	7,467	12,134	76	11,447	440.35	1.70	923,142	44.68
Catron	105	3	26	76	3	43	103.96	2.97	13,361	1.01
Chaves	1,446	10	515	921	10	834	296.31	2.05	88,278	4.88
Cibola	551	16	209	326	19	390	89.74	3.09	55,510	6.14
Colfax	550	5	154	391	5	235	185.19	1.68	50,647	2.97
Curry	1,079	1	326	752	1	485	323.05	0.30	59,281	3.34
De Baca	16	0	8	8	0	13	10.00	0.00	1,966	1.60
Doña Ana	3,702	20	1,463	2,219	21	2,243	204.30	1.16	245,020	18.12
Eddy	1,402	10	510	882	11	795	172.24	1.35	91,026	8.14
Grant	762	5	242	515	7	375	200.00	1.84	55,409	3.81
Guadalupe	256	3	107	146	3	182	55.77	0.65	31,375	4.59
Harding	11	0	2	9	0	3	50.00	0.00	1,076	0.22
Hidalgo	141	3	49	87	5	87	52.61	1.87	15,460	2.68
Lea	1,352	11	424	917	13	663	265.10	2.55	80,811	5.10
Lincoln	553	9	178	366	10	269	117.41	2.12	46,341	4.71
Los Alamos	287	0	75	212	0	96	150.26	0.00	14,315	1.91
Luna	563	6	168	389	6	280	155.96	1.66	47,938	3.61
McKinley	1,852	35	590	1,227	37	1,013	159.38	3.18	156,121	11.62
Mora	111	2	40	69	2	61	111.00	2.00	15,158	1.00
Otero	1,184	7	389	788	8	601	180.21	1.22	84,383	6.57
Quay	279	8	80	191	11	126	70.99	2.80	27,387	3.93
Rio Arriba	970	18	397	555	21	699	176.68	3.83	90,143	5.49
Roosevelt	438	5	117	316	5	212	202.78	2.31	30,160	2.16
Sandoval	1,156	16	449	691	20	720	158.79	2.75	94,196	7.28
San Juan	2,601	32	985	1,584	33	1,580	173.63	2.20	189,138	14.98
San Miguel	807	8	262	537	12	394	253.77	3.77	58,955	3.18
Santa Fe	4,056	32	1,609	2,415	36	2,623	284.23	2.52	277,596	14.27
Sierra	294	4	96	194	4	153	153.93	2.09	25,266	1.91
Socorro	417	8	129	280	12	205	82.09	2.36	37,619	5.08
Taos	800	10	257	533	12	402	276.82	4.15	72,357	2.89
Torrance	336	4	140	192	4	210	90.32	1.08	40,370	3.72
Union	162	4	48	110	5	75	109.46	3.38	13,177	1.48
Valencia	815	15	317	483	19	518	250.77	5.85	54,480	3.25
Total	48,729	386	17,828	30,515	431	28,032	236.18	2.09	3,087,463	206.32

* Crash cost estimates, in thousands of dollars, are based on FHWA Economic Loss Formulae (see page 36).

New Mexico Crash Rates by County, 1993



* Los Alamos County rate is 150

New Mexico Crashes by City, 1993

City	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Alamogordo	753	2	243	508	2	347
Albuquerque	19,244	61	7,300	11,883	63	11,181
Anthony	95	0	36	59	0	54
Artesia	232	0	55	177	0	85
Aztec	135	0	35	100	0	49
Bayard	41	0	9	32	0	12
Belen	265	2	93	170	3	147
Bernalillo	49	0	19	30	0	29
Bloomfield	98	0	38	60	0	52
Bosque Farms	55	0	24	31	0	42
Capitan	14	0	2	12	0	2
Carlsbad	822	1	320	501	1	468
Carrizozo	19	0	7	12	0	9
Central	25	0	6	19	0	7
Chama	8	0	4	4	0	7
Cimarron	8	0	1	7	0	1
Clayton	83	0	18	65	0	29
Cloudcroft	25	0	4	21	0	4
Clovis	929	0	256	673	0	375
Columbus	5	0	1	4	0	1
Corona	2	0	1	1	0	1
Corrales	60	0	21	39	0	31
Cuba	23	0	5	18	0	10
Deming	322	0	64	258	0	88
Des Moines	3	0	2	1	0	2
Dexter	3	0	2	1	0	2
Dora	1	0	0	1	0	0
Elida	4	0	1	3	0	3
Española	558	1	236	321	1	412
Estancia	10	0	4	6	0	5
Eunice	25	0	6	19	0	6
Farmington	1,386	8	501	877	8	786
Folsom	1	0	0	1	0	0
Fort Sumner	1	0	1	0	0	1
Gallup	1,045	8	312	725	9	485
Grants	204	3	69	132	3	122
Grenville	3	0	0	3	0	0
Hatch	27	0	5	22	0	7
Hobbs	819	0	269	550	0	412
Hope	2	0	0	2	0	0
Hurley	12	0	6	6	0	8
Jal	16	0	3	13	0	5
La Mesilla	1	0	0	1	0	0
Las Cruces	2,640	5	993	1,642	5	1,498

(continued on next page)

New Mexico Crashes by City, 1993 (cont.)

City	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Las Vegas	560	0	162	398	0	225
Logan	1	0	0	1	0	0
Lordsburg	50	0	14	36	0	25
Los Alamos	269	0	70	199	0	89
Los Lunas	283	4	100	179	4	169
Loving	4	0	1	3	0	1
Lovington	236	1	62	173	1	101
Maxwell	4	0	0	4	0	0
Melrose	6	0	1	5	0	1
Milan	36	0	14	22	0	29
Moriarty	59	1	16	42	1	21
Mosquero	2	0	0	2	0	0
Mountainair	6	0	0	6	0	0
Pecos	3	0	0	3	0	0
Portales	306	3	70	233	3	124
Questa	31	0	14	17	0	18
Raton	228	0	65	163	0	92
Red River	7	0	0	7	0	0
Reserve	1	0	0	1	0	0
Rio Rancho	551	2	215	334	2	329
Roswell	1,160	2	404	754	2	652
Roy	2	0	0	2	0	0
Ruidoso	244	1	81	162	1	117
Ruidoso Downs	15	0	4	11	0	4
San Ysidro	8	0	2	6	0	4
Santa Fe	2,845	9	1,106	1,730	12	1,764
Santa Rosa	55	0	11	44	0	14
Shiprock	107	3	46	58	3	73
Silver City	439	0	120	319	0	171
Socorro	222	2	49	171	2	76
Springer	24	0	4	20	0	5
Sunland Park	66	1	35	30	1	72
Taos	321	1	87	233	1	134
Tatum	12	0	3	9	0	3
Texico	13	0	6	7	0	13
Tijeras	9	0	1	8	0	1
Truth or Consequences	166	0	57	109	0	90
Tucumcari	133	0	35	98	0	50
Tularosa	28	0	12	16	0	20
Vaughn	8	0	5	3	0	9
Wagon Mound	4	0	0	4	0	0
Willard	2	1	0	1	1	0

Crash Rates for Selected New Mexico Cities, 1993

City	Crashes		Rates[1]		Estimated
	Total	Fatal and Injury[2]	Total	Fatal and Injury[2]	1993 Population[3]
Alamogordo	753	80	2.73	0.29	27,559
Albuquerque	19,244	2,935	4.83	0.74	398,492
Artesia	232	32	2.05	0.28	11,335
Aztec	135	8	2.26	0.13	5,964
Belen	265	45	3.81	0.65	6,960
Bloomfield	98	24	1.73	0.42	5,672
Carlsbad	822	135	3.13	0.51	26,224
Clovis	929	91	2.78	0.27	33,405
Deming	322	29	2.68	0.24	12,013
Española	558	77	6.18	0.85	9,026
Farmington	1,386	207	3.83	0.57	36,204
Gallup	1,045	147	5.19	0.73	20,133
Grants	204	41	2.40	0.48	8,509
Hobbs	819	129	2.79	0.44	29,364
Las Cruces	2,640	446	3.97	0.67	66,466
Las Vegas	560	63	3.72	0.42	15,064
Los Alamos	269	36	1.48	0.20	18,179
Los Lunas	283	53	4.38	0.82	6,465
Lovington	236	44	2.49	0.46	9,484
Portales	306	42	2.71	0.37	11,273
Raton	228	28	3.09	0.38	7,370
Rio Rancho	551	96	1.51	0.26	36,370
Roswell	1,160	226	2.55	0.50	45,533
Ruidoso	244	45	4.99	0.92	4,885
Santa Fe	2,845	398	4.82	0.67	59,004
Silver City	439	61	3.92	0.54	11,213
Socorro	222	29	2.70	0.35	8,227
Sunland Park	66	17	0.76	0.19	8,722
Taos	321	24	7.51	0.56	4,274
T or C	166	38	2.71	0.62	6,136
Tucumcari	133	22	1.99	0.33	6,692

1 Rates are per 100 residents.
2 Fatal and injury crashes include fatal, incapacitating, and visible injury crashes, but exclude crashes where there was only complaint of injury.
3 Population counts are from the Census Bureau (see page 36).

New Mexico's Seven Highest Fatal and Injury Crash Intersections, 1993

Intersection	City	Crashes		
		Total	Fatal	Injury
Montgomery at San Mateo	Albuquerque	118	0	50
Academy at Wyoming	Albuquerque	88	0	42
Alameda at Coors	Albuquerque	95	0	37
Osuna at San Mateo	Albuquerque	93	0	37
Airport at Cerrillos	Santa Fe	78	0	36
Juan Tabo at Lomas	Albuquerque	80	1	33
Eubank at Montgomery	Albuquerque	108	0	32

Intersections are ranked by the total number of fatal and injury crashes. Busy intersections will tend to have the highest number of crashes, but will not necessarily have the highest number of fatal and injury crashes.

New Mexico's Highest Crash Rate Rural Highway Segments, 1993

(See map on inside front cover)

Highway	Mile post	County	Crashes			
			Total	Fatal	Injury	Rate
US 64	21.9 to 22.7	San Juan	26	0	12	6.8
NM 76	1.6 to 4.0	Santa Fe	29	1	18	3.4
NM 76	6.8 to 13.3	Rio Arriba	26	0	19	3.3
US 64	55.8 to 57.9	San Juan	36	0	16	3.2
NM 76	4.0 to 6.8	Santa Fe	32	0	16	2.9
I 25	297.0 to 300.4	Santa Fe	15	0	7	2.8
US 666	85.3 to 92.5	San Juan	28	1	15	2.5

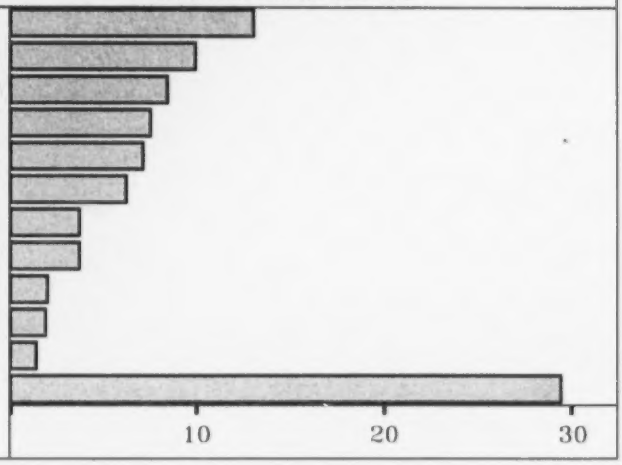
This highway segment ranking was done on the basis of fatal and injury crashes per million vehicle miles. The most heavily traveled segments are likely to have the most crashes, but will not necessarily have the highest crash rates.

The three segments on NM 76 are adjacent, i.e. they form a single segment. They are presented separately because segments are defined based on similar road characteristics.

CRASH DETAILS

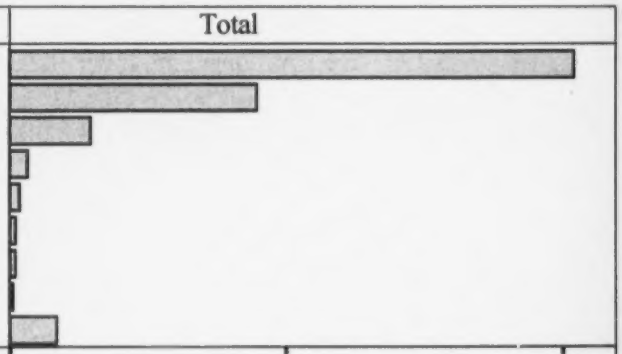
New Mexico Crash Contributing Factors, 1993

Contributing Factor	Percent of Involvements
Driver Inattention	13.1
Failure to Yield	10.0
Excessive Speed	8.5
Follow Too Close	7.6
Other Improper Driving	7.2
Alcohol Involved	6.3
Disregard Traffic Control	3.8
Improper Turn	3.8
Drove Left of Center	2.1
Mechanical Defects	2.0
Improper Overtaking	1.5
Other	29.4



New Mexico Crash Involvements by Vehicle Type, 1993

Vehicle Type	Total	Fatal	Injury	Total
Passenger Car	50,952	231	19,883	
Pickup	22,473	154	7,912	
Van or Four Wheel Drive	7,507	55	2,701	
Semi	1,808	37	523	
Motorcycle	1,079	31	897	
Pedestrian	718	69	620	
Bus	698	5	184	
Pedalcyclist	486	5	435	
Other	4,419	15	1,031	
Total	90,140	602	34,186	



New Mexico Crashes Involving Vehicle or Road Defects, 1987 - 1993

Year	All Crashes	Vehicle Defects	% With Vehicle Defects	Road Defects	%With Road Defects
1993	48,729	1,717	3.5	407	0.8
1992	50,227	1,691	3.4	720	1.4
1991	47,218	1,380	2.9	1,113	2.4
1990	49,779	1,498	3.0	760	1.5
1989	49,389	1,183	2.4	249	0.5
1988	50,872	1,269	2.5	336	0.7
1987	55,060	1,670	3.0	625	1.1

New Mexico Crashes by Class, 1993

Class	Crashes					People	
	Total	% of Total	Fatal	% of Fatal	Injury	Killed	Injured
Other Vehicle	32,928	68	103	27	12,588	115	20,875
Fixed Object	6,084	12	36	9	1,773	42	2,357
Parked Vehicle	3,393	7	7	2	333	7	445
Overturn	3,106	6	160	41	1,733	184	2,766
Animal	1,115	2	1	0	129	1	176
Other Non-collision	715	1	5	1	240	5	282
Pedestrian	673	1	65	17	580	66	629
Pedalcyclist	446	1	5	1	395	5	408
Other Object	226	0	0	0	37	0	53
Railroad Train	29	0	3	1	12	4	22
Vehicle on Other Road	13	0	1	0	8	2	19
Total	48,728	100	386	100	17,828	431	28,032

- Crash class is based on the first harmful event in the crash, such as colliding with something or overturning.

Among the fixed object crashes ...

- 23 percent involved fences.
- 44 percent of fatal crashes involved trees or embankments.

New Mexico Fixed Object Crashes, 1993

Object	Crashes			People	
	Total	Fatal	Injury	Killed	Injured
Fence	1,417	3	310	3	404
Sign, pole, meter, hydrant	1,333	5	339	6	442
Median or curb	785	2	248	2	292
Guard Rail or Post	636	4	247	4	352
Tree	380	8	149	11	213
Embankment	345	8	149	8	201
Building	119	1	42	1	54
Culvert or Drain	114	1	41	1	57
Bridge or pier	47	1	10	1	12
Barricade	44	1	15	3	29
Cattle guard	23	0	7	0	7
Other or unknown	841	2	216	2	294
Total	6,084	36	1,773	42	2,357

CRASH DETAILS

In 1993 ...

- 80 percent of hit-and-run crashes were property damage only crashes, compared to 65 percent of all crashes.
- 90 percent of crashes happened in clear weather.
- 53 percent of fatal crashes occured during the night.

New Mexico Hit and Run Crashes, 1989 - 1993

Year	Crashes			People	
	Total	Fatal	Injury	Killed	Injured
1993	6,061	19	1,241	19	1,671
1992	6,342	12	1,225	12	1,698
1991	5,643	12	1,071	13	1,492
1990	6,416	17	1,080	18	1,472
1989	6,296	22	1,133	22	1,494

New Mexico Crashes by Weather, 1993

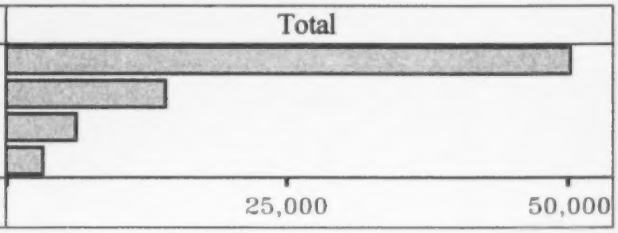
Weather Condition	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Clear	43,932	357	16,205	27,370	400	25,450
Rain	2,566	10	931	1,625	11	1,491
Snow, Sleet	1,102	1	290	811	1	433
Dust, Wind	498	13	182	303	13	294
Fog	161	1	63	97	2	122
Other	411	1	128	282	1	191
Total	48,670	383	17,799	30,488	428	27,981

New Mexico Crashes by Lighting, 1993

Light Condition	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
Daylight	34,358	155	12,711	21,492	167	19,795
Dark (Unlighted)	6,232	151	2,092	3,989	172	3,342
Dark (Lighted)	6,131	53	2,281	3,797	61	3,737
Dusk	1,358	13	512	833	15	820
Dawn	498	9	188	301	11	266
Other	85	1	10	74	1	11
Total	48,662	382	17,794	30,486	427	27,971

Residence of Drivers in New Mexico Crashes, 1993

Residence	Total	Fatal	Injury
Local	50,160	213	21,231
Elsewhere in NM	14,353	174	5,770
Outside NM	6,410	89	2,470
Unknown	3,459	76	1,480
Total	74,382	552	30,951

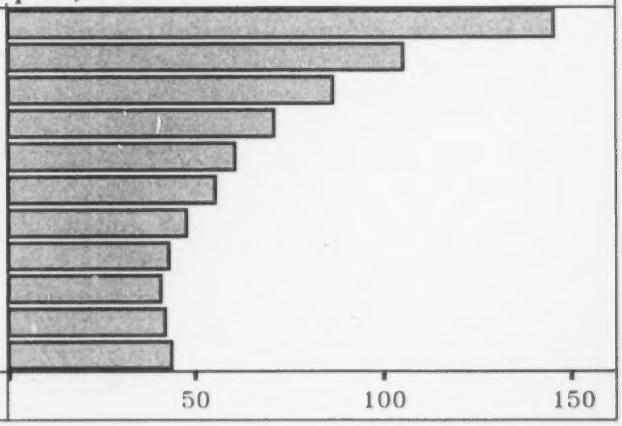


Of drivers ...

- Teenagers, ages 15-19, had the highest crash involvment rate.

New Mexico Driver Involvement Rates in Crashes, 1993

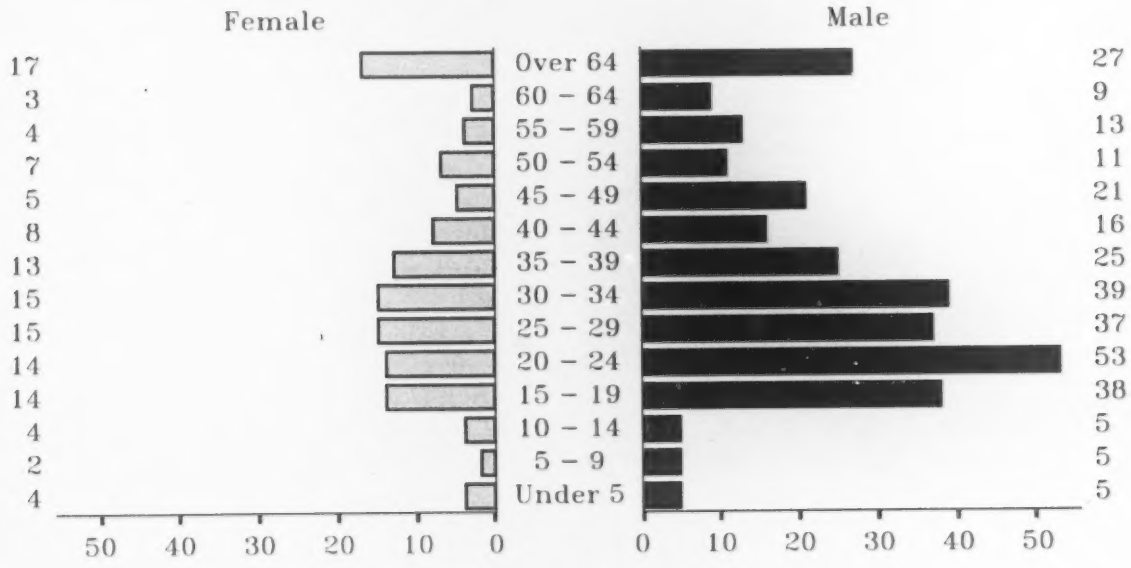
Age	Driver involvements	August 93 drivers	Involvements per 1,000 drivers
15-19	12,197	83,989	145.22
20-24	11,623	110,203	105.47
25-29	10,095	116,229	86.85
30-34	9,773	137,070	71.30
35-39	8,215	135,003	60.85
40-44	6,879	123,755	55.59
45-49	4,899	102,217	47.93
50-54	3,380	78,251	43.19
55-59	2,675	65,040	41.13
60-64	2,504	59,304	42.22
Over 64	6,075	138,252	43.94
Total	78,315	1,149,313	68.14



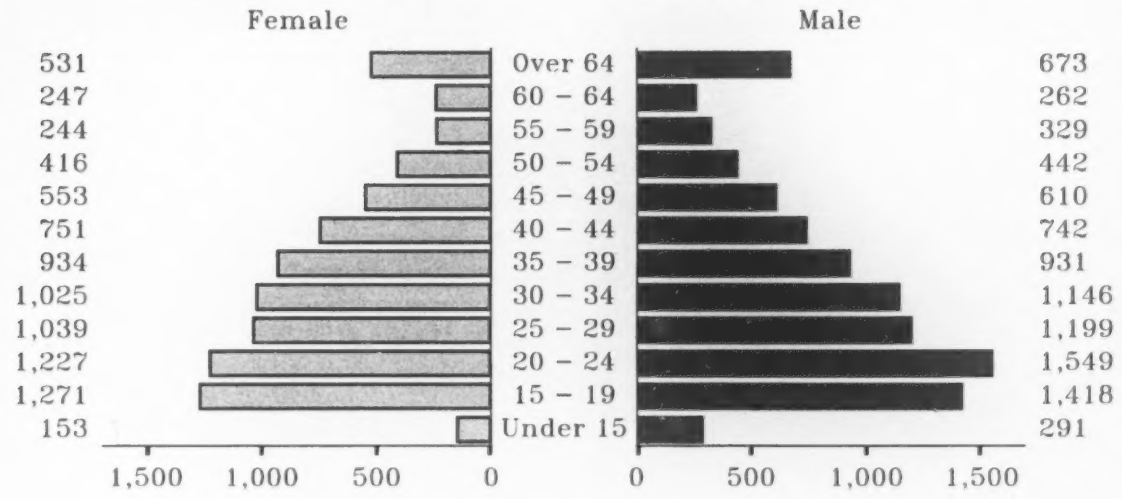
In 1993 ...

- People ages 20 through 24 accounted for 16 percent of traffic deaths, even though they accounted for only 10 percent of licensed drivers.

New Mexico Crash Fatalities by Age and Sex, 1993



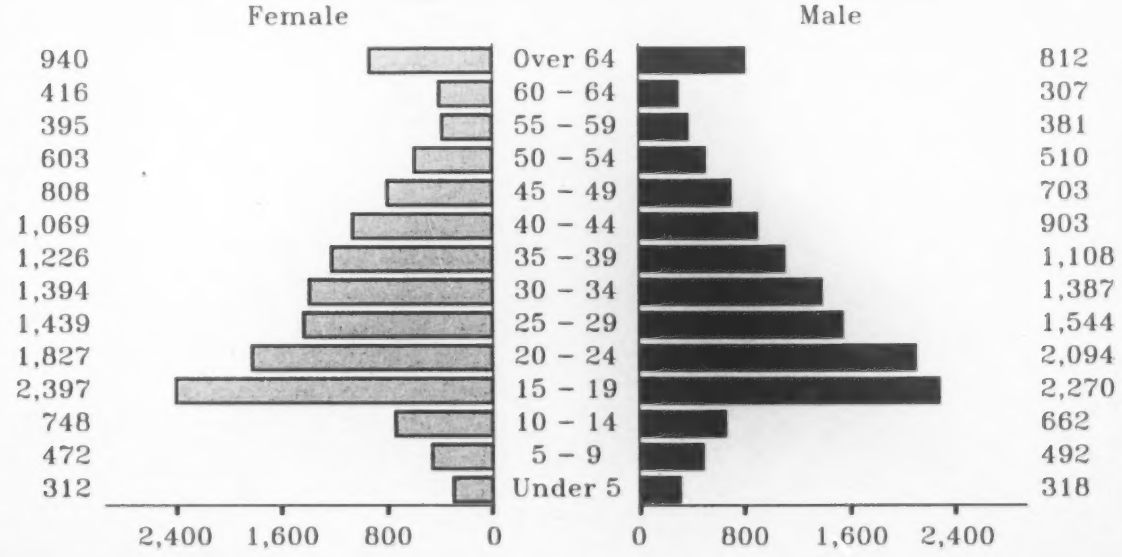
New Mexico Injuries of Drivers in Crashes by Age and Sex, 1993



In 1993 ...

- 26 percent of females involved in crashes were injured, compared to 20 percent of males.

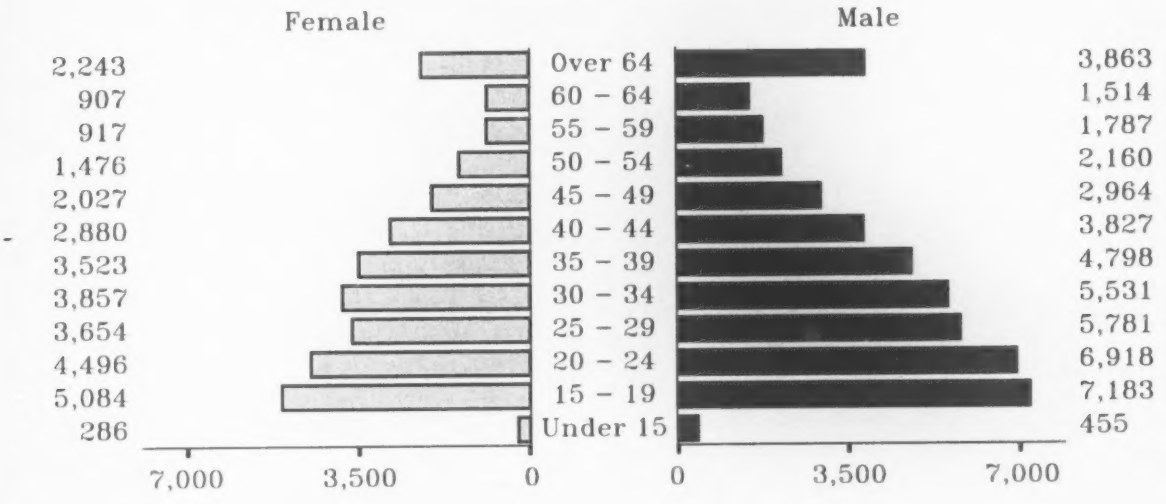
New Mexico Injuries of Occupants in Crashes by Age and Sex, 1993



In 1993 ...

- 60 percent of drivers in crashes were male, but they represent only 51 percent of licensed drivers.

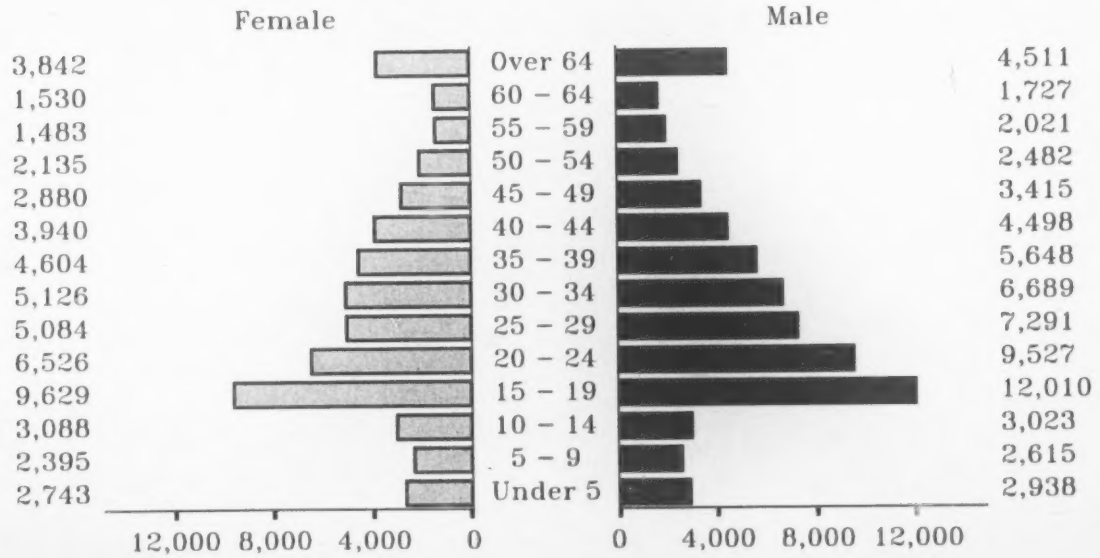
New Mexico Drivers in Crashes by Age and Sex, 1993



In 1993 ...

- 55 percent of people in crashes were males.

New Mexico Occupants in Crashes by Age and Sex, 1993



The mandatory seatbelt law for drivers and front-seat passengers in cars became effective on January 1, 1986. The mandatory seatbelt law for drivers and front-seat passengers in pickups became effective on June 16, 1989. The fine for non-compliance is $25.00. This may have caused some people in less severe crashes to report wearing seatbelts when they were not.

New Mexico Crash Seatbelt Usage and Injuries, 1991 - 1993

Injury	1993		1992		1991	
	Total	No Belt	Total	No Belt	Total	No Belt
Killed	295	216	310	227	301	238
Incapacitating injury	4,423	1,219	4,637	1,448	4,764	1,732
Visible injury	4,846	1,420	4,952	1,664	4,634	1,667
Complaint of injury	15,042	1,397	13,735	1,417	12,115	1,528
Unhurt	88,235	5,839	89,887	6,887	84,497	8,429
Total	112,841	10,091	113,521	11,643	106,311	13,594

Recent observational surveys found 75 percent of front seat occupants using seatbelts. In 1993, 91 percent of people in crashes reported using belts.

New Mexico Crash Injuries by Seatbelt Usage, 1993

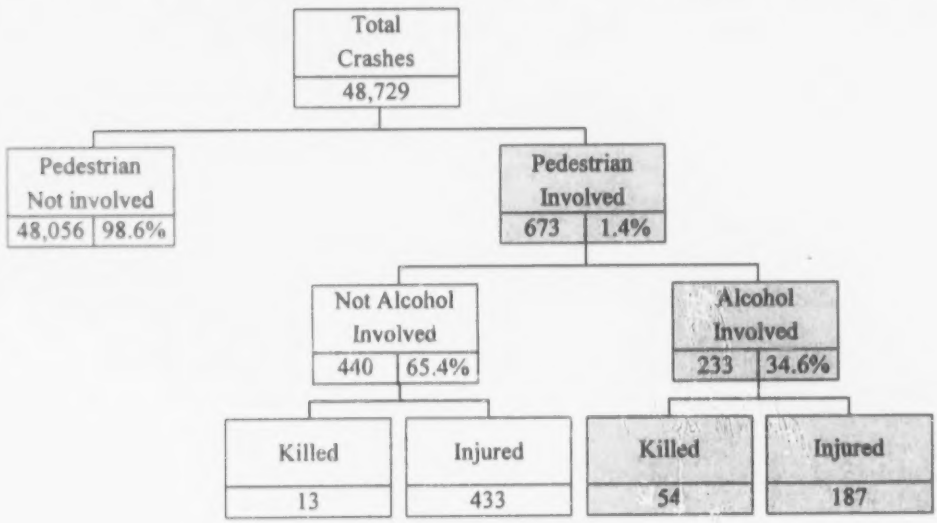
Injury	Belt worn		Belt not worn		Total	
	Number	Percent	Number	Percent	Number	Percent
Killed	79	0.1	216	2.1	295	0.3
Incapacitating injury	3,204	3.1	1,219	12.1	4,423	3.9
Visible injury	3,426	3.3	1,420	14.1	4,846	4.3
Complaint of injury	13,645	13.3	1,397	13.8	15,042	13.3
Unhurt	82,396	80.2	5,839	57.9	88,235	78.2
Total	102,750	100.0	10,091	100.0	112,841	100.0

PEDESTRIANS

In 1993 ...

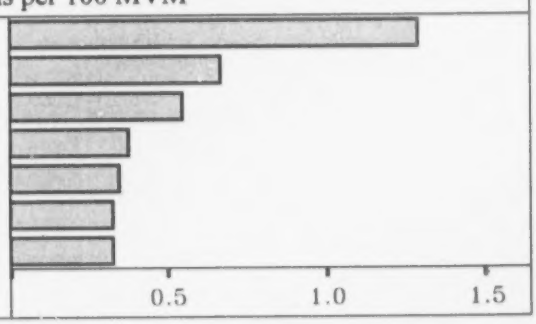
- 81 percent of pedestrian deaths were alcohol related.

New Mexico Alcohol-involved Pedestrian Crashes, 1993

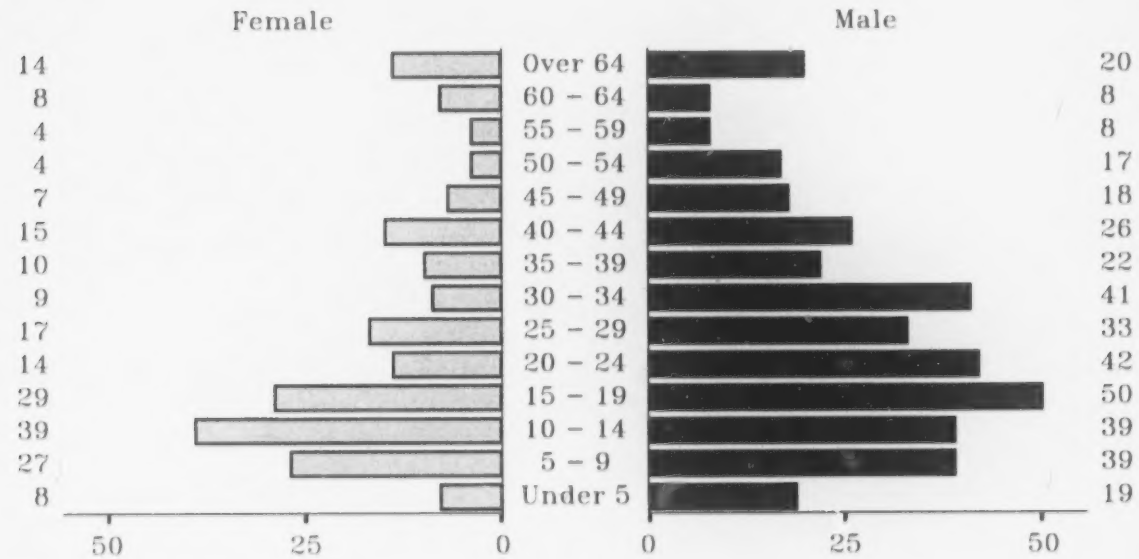


Seven Counties with Highest Pedestrian Death Rates, 1993

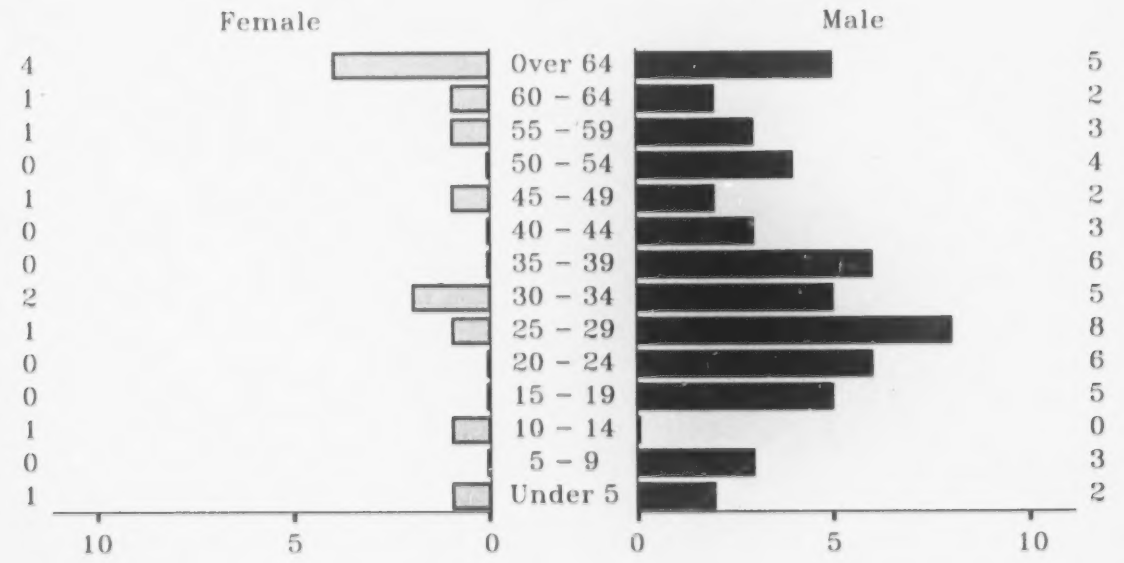
County	Pedestrians in crashes			Deaths per 100 MVM
	Total	Killed	Injured	
McKinley	58	15	39	1.29
San Juan	49	10	37	0.67
Sandoval	13	4	9	0.55
Bernalillo	298	17	265	0.38
Santa Fe	53	5	47	0.35
Doña Ana	61	6	52	0.33
Cibola	4	2	2	0.33



New Mexico Pedestrian Injuries by Age and Sex, 1993



New Mexico Pedestrian Fatalities by Age and Sex, 1993

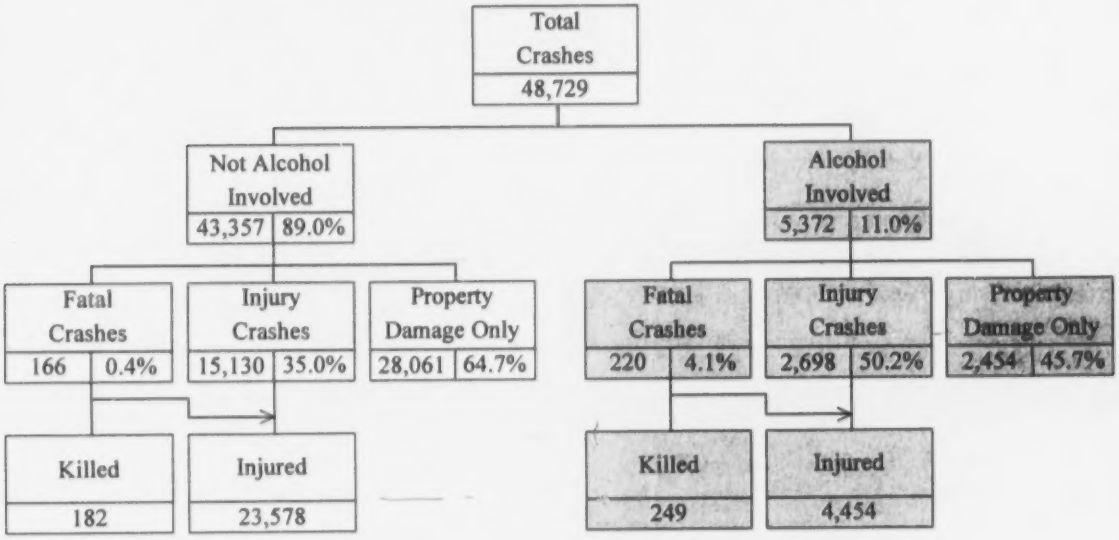


ALCOHOL

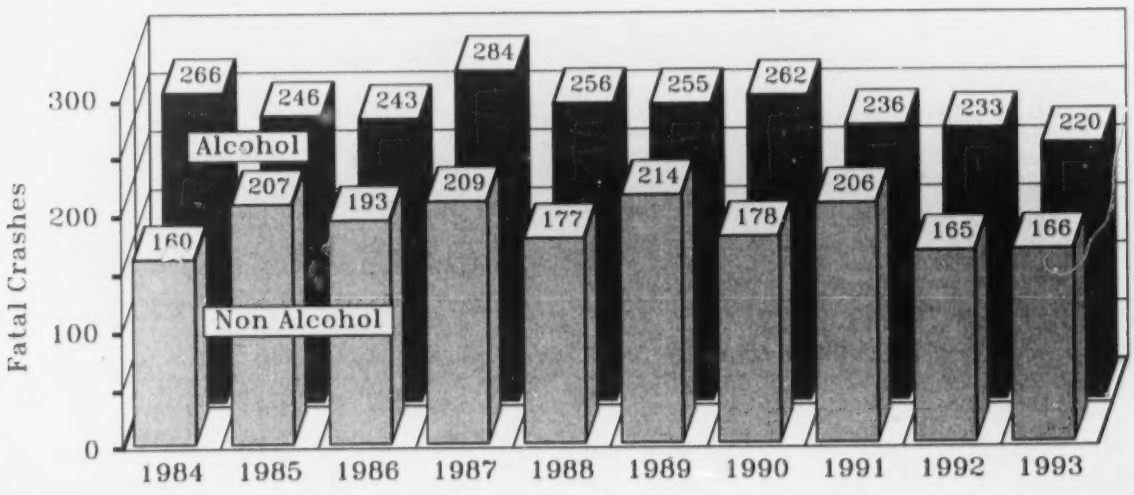
In 1993 ...

- 57 percent of all fatal crashes involved alcohol.
- A person died in an alcohol-involved crash every 35 hours.
- A person was injured in an alcohol-involved crash every 2 hours.
- An alcohol-involved crash occured every 100 minutes.

New Mexico Crashes by Alcohol involvement, 1993



New Mexico Fatal Crashes by Alcohol involvement, 1984 - 1993

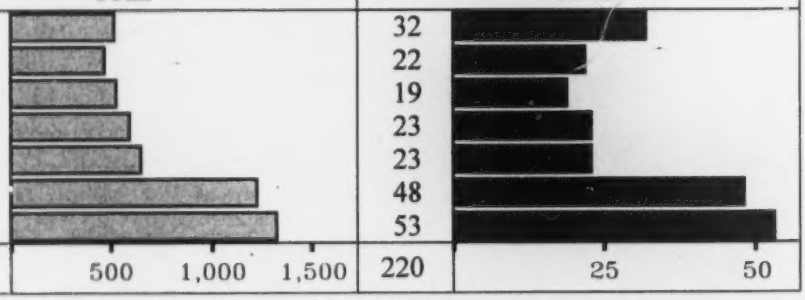


In 1993 ...

- 60 percent of alcohol-involved fatal crashes occurred on Friday, Saturday, or Sunday.
- 45 percent of alcohol-involved crashes happened on Friday or Saturday.
- More alcohol-involved crashes occured between 5 p.m. and 6 p.m. than any other hour on weekdays.

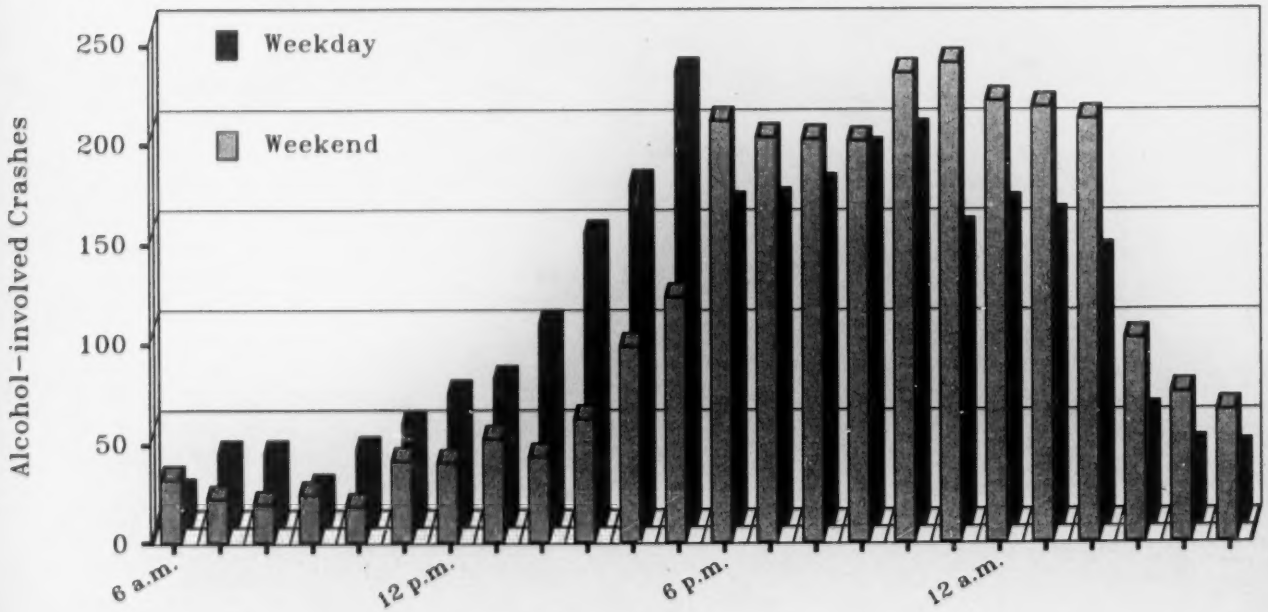
New Mexico Alcohol-involved Crashes by Day of the Week, 1993

Day	Total	Fatal
Sunday	611	32
Monday	535	22
Tuesday	535	19
Wednesday	611	23
Thursday	645	23
Friday	1,180	48
Saturday	1,221	53
Total	5,338	220



- For this table, each day was considered to run from 6 a.m. to 5:59 the following morning.

New Mexico Alcohol-involved Crashes by Hour of the Day, 1993

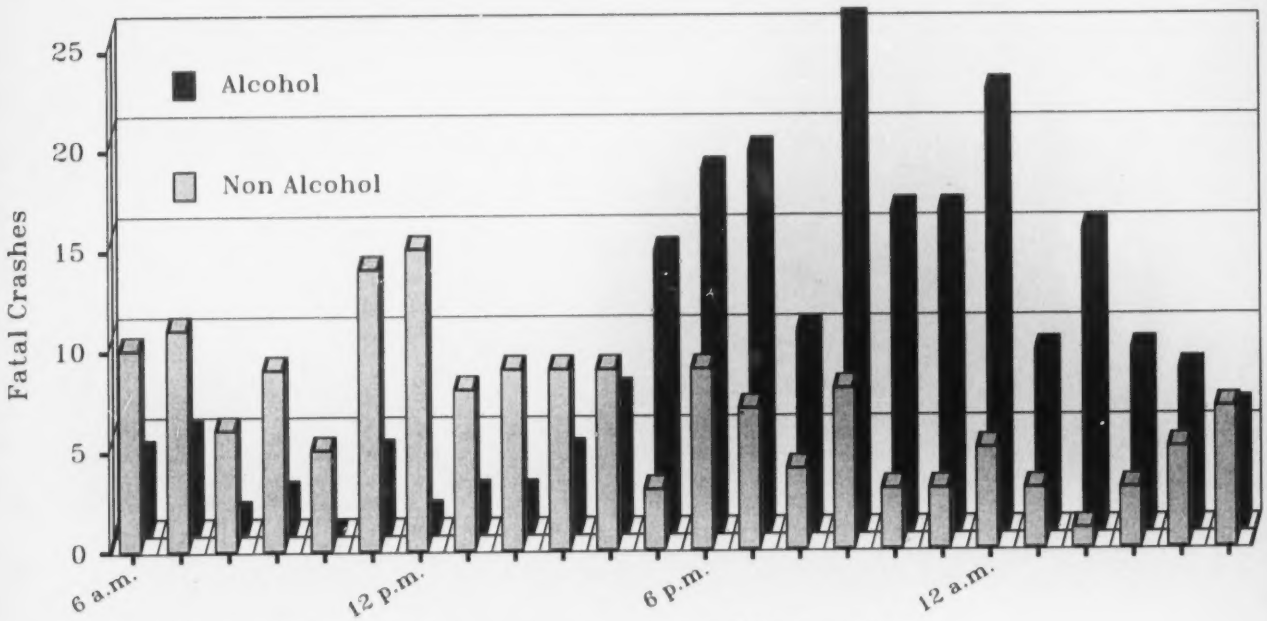


- Weekend starts Friday evening at 6 p.m. and ends Monday morning at 5:59 a.m. For perspective, the weekend period has 60 hours total, while the weekday period consists of 108 hours.

ALCOHOL

In 1993, 77 percent of all fatal crashes after 6 p.m. were alcohol-involved.

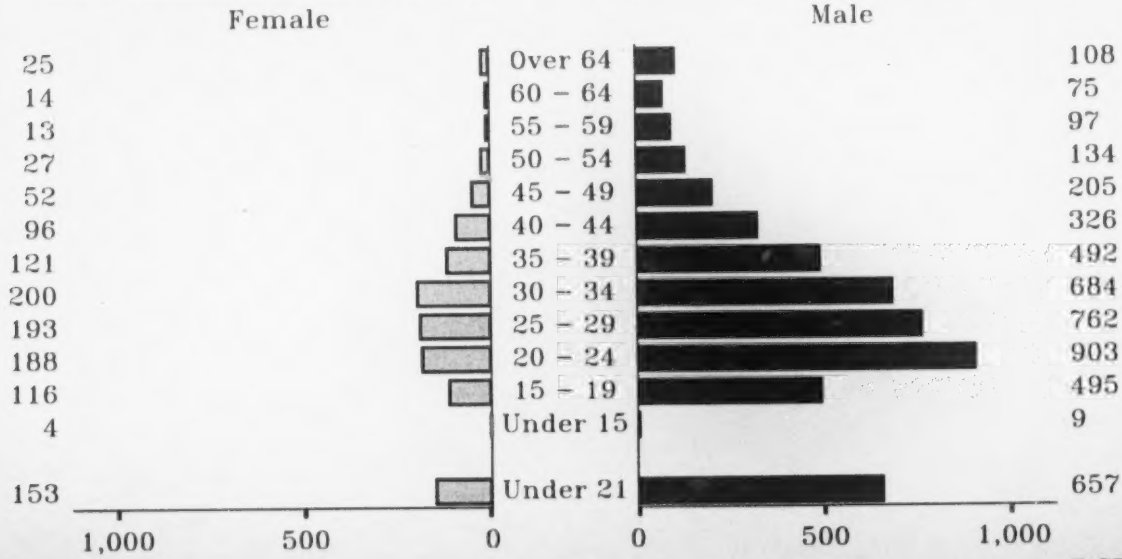
New Mexico Fatal Crashes by Hour of the Day, 1993



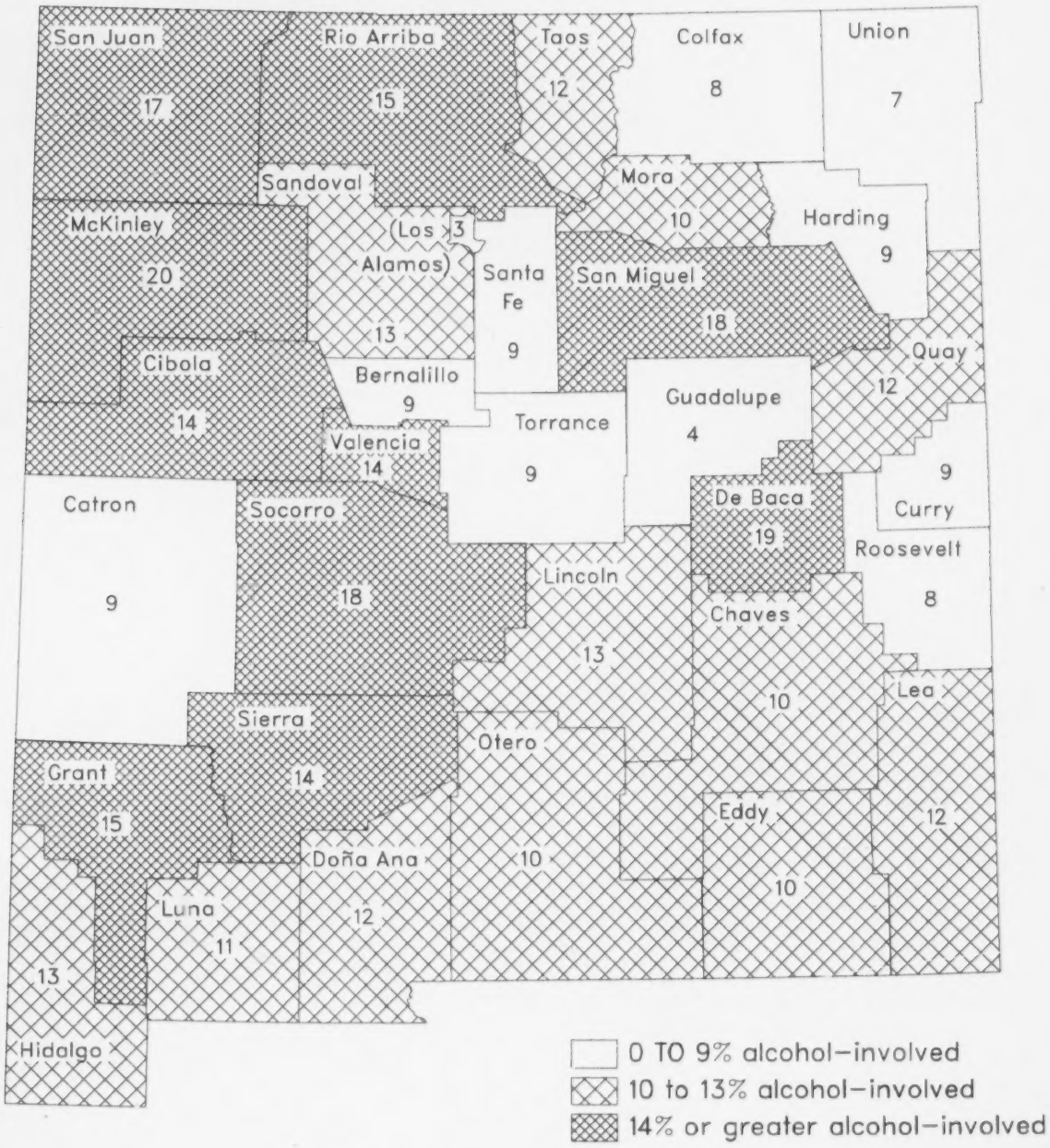
- For this table, each day was considered to run from 6 a.m. to 5:59 the following morning.

In 1993, 15 percent of the alcohol-involved drivers in crashes were less than 21 years old; this percentage is down from1992 and 1991.

New Mexico Alcohol-involved Drivers in Crashes by Age and Sex, 1993



Percent Alcohol-involved Crashes by County, 1993



MOTORCYCLES

Riders in New Mexico Motorcycle Crashes, 1984 - 1993

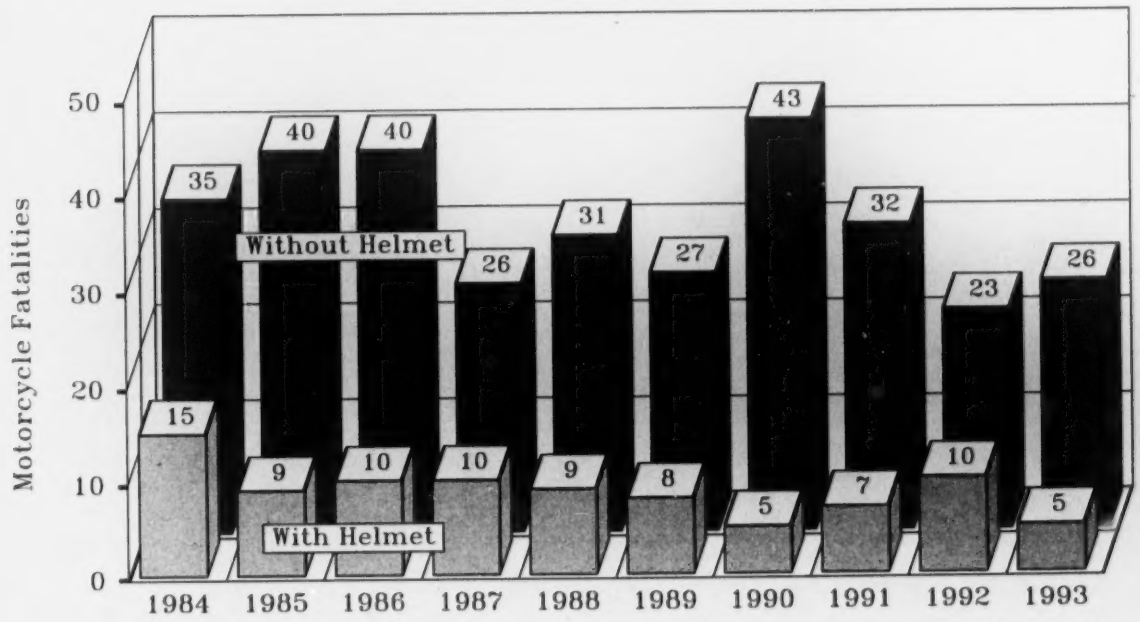
Year	Number of occupants	Number of fatalities	Motorcycle registrations
1993	1,273	31	31,217
1992	1,284	33	30,466
1991	1,290	39	31,975
1990	1,339	48	30,696
1989	1,525	35	38,528
1988	1,577	40	35,400
1987	1,811	36	40,127
1986	2,112	50	42,152
1985	2,334	49	52,236*
1984	2,289	50	56,148*

* These figures are not comparable to other years due to a reporting change at the Motor Vehicle Division.

In 1993 ...

- 84 percent of those who died in motorcycle crashes were not wearing a helmet.

New Mexico Motorcycle Fatalities, 1984 - 1993



Riders' Helmet Usage and Injuries in New Mexico, 1993

Injury	With helmet	Without helmet	Total
Killed	5	26	31
Incapacitating	96	254	350
Visible injury	131	365	496
Complaint	71	111	182
Unhurt	51	163	214
Total	354	919	1,273

New Mexico Motorcyclists in Crashes, 1993

Driver Age	Motorcyclists			Occupants*	
		Crash Severity			
	Total	Fatal	Injury	Killed	Injured
Under 15	43	0	34	0	46
15-19	180	4	153	4	183
20-24	232	6	193	6	209
25-29	169	2	143	2	160
30-34	99	6	83	7	99
35-39	92	3	79	3	97
40-44	73	1	68	0	80
45-49	60	5	50	5	53
50-54	29	1	25	1	29
55-59	24	1	23	1	27
60-64	11	1	8	1	11
Over 64	18	1	16	1	16
Total	1,030	31	875	31	1,010

* Occupants include drivers

New Mexico Motorcycle Involvements by Class, 1993

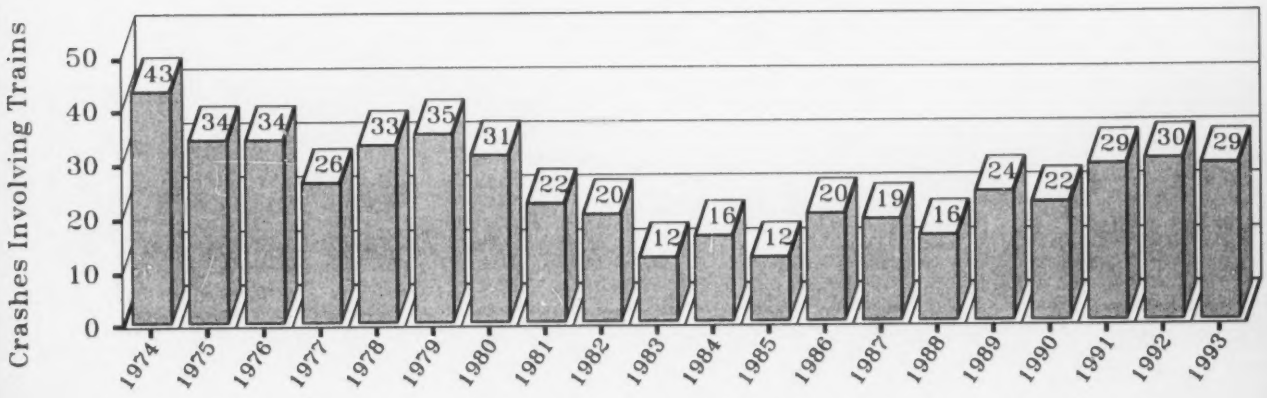
Class	Total	Fatal	Injury	Total
Other vehicle	607	18	482	
Overturn	192	7	169	
Fixed object	135	4	122	
Other non-collision	79	0	75	
Parked vehicle	32	2	16	
Animal	18	0	17	
Pedestrian	9	0	9	
Pedalcyclist	3	0	3	
Other object	3	0	3	
Veh. on other roadway	1	0	1	
Total	1,079	31	897	200 400 600

See page 17.

New Mexico Crashes Involving Trains by Severity, 1974 - 1993

Year	Crashes				People	
	Total	Fatal	Injury	Property Damage	Killed	Injured
1993	29	3	12	14	4	22
1992	30	1	12	17	1	22
1991	29	3	9	17	3	11
1990	22	1	11	10	1	12
1989	24	6	6	12	7	11
1988	16	2	7	7	2	9
1987	19	4	7	8	4	11
1986	20	2	7	11	2	11
1985	12	2	7	3	3	10
1984	16	1	6	9	1	7
1983	12	1	5	6	1	6
1982	20	2	5	13	2	7
1981	22	3	10	9	4	14
1980	31	4	11	16	5	16
1979	35	8	10	17	8	14
1978	33	7	8	18	8	13
1977	26	2	9	15	3	15
1976	34	7	10	17	8	16
1975	34	0	16	18	0	24
1974	43	4	14	25	6	19

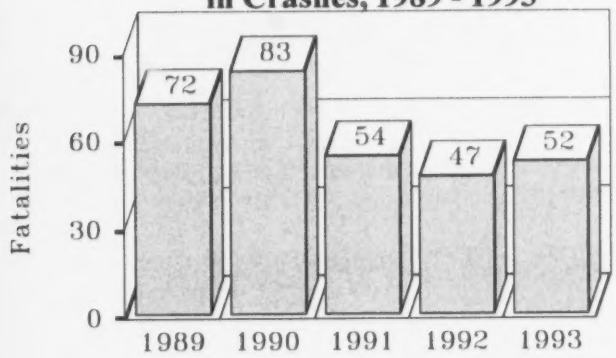
New Mexico Traffic Crashes Involving Trains, 1974 - 1993



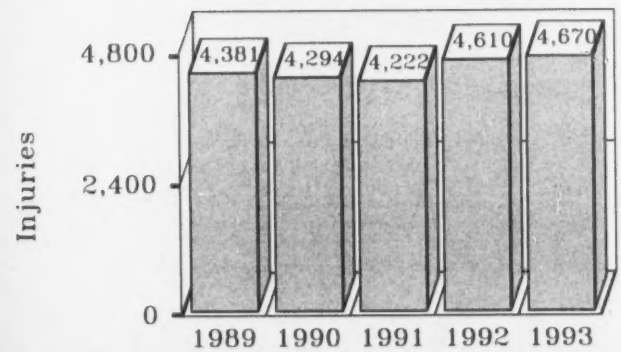
New Mexico Teenagers in Crashes by Vehicle Type, 1993

Vehicle Type	Drivers			Victims	
		Crash Severity			
	Total	Fatal	Injury	Killed	Injured
Passenger Car	8,151	34	3,303	30	3,032
Pickup	2,921	17	1,111	10	969
Motorcycle	180	4	153	3	192
Van or 4WD	142	1	55	1	51
Pedestrian	86	5	78	5	79
Pedalcyclist	58	2	50	2	50
Bus	21	1	8	0	10
Semi	5	0	1	0	1
Other	708	5	266	1	286
Total	12,272	69	5,025	52	4,670

New Mexico Teenagers Killed in Crashes, 1989 - 1993



New Mexico Teenagers Injured in Crashes, 1989 - 1993



New Mexico Teenage Crash Facts, 1993

- Of all drivers in crashes, 16 percent were teenagers, although teenagers comprised only 7 percent of New Mexico's drivers.
- Teenage fatalities increased to 52 from 47 in 1992.
- Male teenagers died in crashes almost three times as often as female teenagers.
- 63 percent of teenage crash deaths involved alcohol.
- A teenager was killed in a traffic crash every seven days and one was injured every two hours.
- Teenage occupants' self-reported belt use was 83 percent, while that of all occupants was 91 percent.

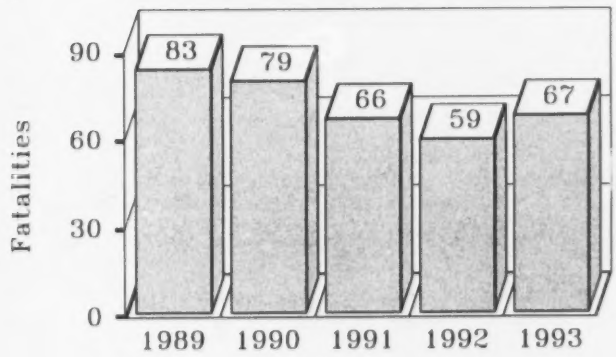
For these tables teenagers are people ages 15-19.

YOUNG ADULTS

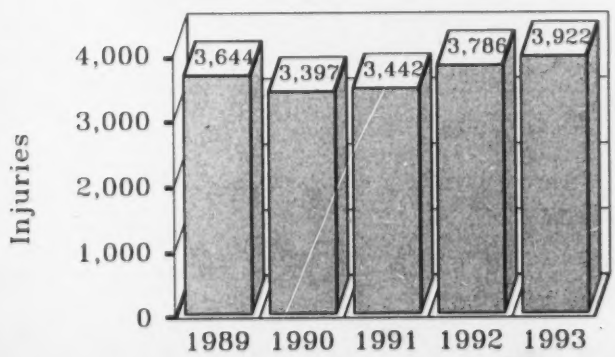
New Mexico Young Adults in Crashes by Vehicle Type, 1993

Vehicle Type	Drivers			Victims	
		Crash Severity			
	Total	Fatal	Injury	Killed	Injured
Passenger Car	7,231	42	3,032	26	2,531
Pickup	2,906	25	1,100	21	808
Motorcycle	232	6	193	7	206
Van or 4WD	162	0	58	1	55
Semi	118	0	41	1	17
Pedestrian	63	6	56	6	56
Bus	56	1	17	1	13
Pedalcyclist	49	1	45	1	45
Other	599	6	237	3	191
Total	11,416	87	4,779	67	3,922

New Mexico Young Adults Killed in Crashes, 1989-1993



New Mexico Young Adults Injured in Crashes, 1989 - 1993



New Mexico Young Adult Crash Facts, 1993

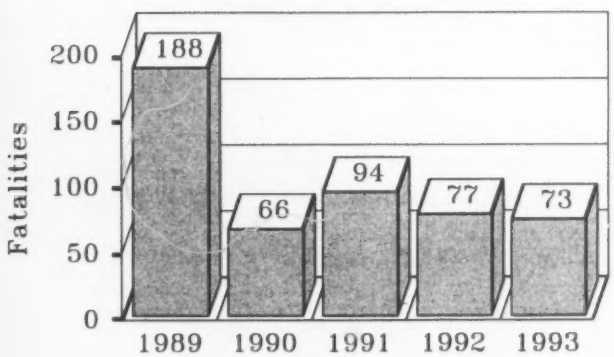
- Of all drivers in crashes, 15 percent were young adult drivers, although young adults comprised only 10 percent of New Mexico's drivers.
- Young adult fatalities increased to 67 from 59 in 1992, and from 66 in 1991.
- Male young adults died in crashes almost four times as often as female young adults.
- 69 percent of young adult crash deaths involved alcohol.
- A young adult was killed in a traffic crash every five days and one was injured every two hours.
- Young adult occupants self-reported belt use was 84 percent, while that of all occupants was 91 percent.

For these tables young adults are people ages 20-24.

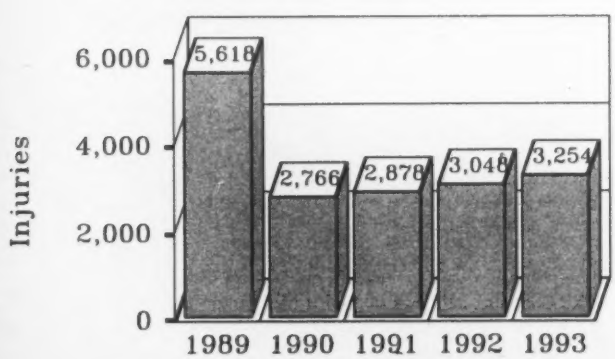
New Mexico Senior Citizens in Crashes by Vehicle Type, 1993

Vehicle Type	Drivers			Victims	
		Crash Severity			
	Total	Fatal	Injury	Killed	Injured
Passenger Car	7,061	36	2,823	32	2,181
Pickup	2,732	21	962	11	619
Van or 4WD	226	0	79	0	50
Semi	193	9	57	5	22
Pedestrian	78	16	62	16	62
Bus	66	0	20	0	6
Motorcycle	53	3	47	3	52
Pedalcyclist	15	0	15	0	15
Other	810	10	309	6	247
Total	11,234	95	4,374	73	3,254

New Mexico Senior Citizens Killed in Crashes, 1989 - 1993



New Mexico Senior Citizens Injured in Crashes, 1989 - 1993



New Mexico Senior Citizens Crash Facts, 1993

- Of all drivers in crashes, 14 percent were seniors. Seniors comprised 23 percent of New Mexico's drivers.
- Senior fatalities decreased to 73 from 77 in 1992, and from 94 in 1991.
- Male seniors died in crashes twice as often as female seniors.
- 26 percent of senior crash deaths involved alcohol.
- A senior was killed in a traffic crash every five days and one was injured every three hours.
- Senior occupants' self-reported belt use was 92 percent, while that of all occupants was 91 percent.

For these tables senior citizens are people ages 55 and older.

SOURCES

The data sources are:

Crash files - Information from crash reports submitted by the many law enforcement agencies in the state, compiled and processed by the Transportation Statistics Bureau and reprocessed by the Division of Government Research, UNM.

Licensed drivers - Driver's license data maintained by the Motor Vehicle Division of the New Mexico Taxation and Revenue Department. Counts are as of August 1993.

Motor vehicle registrations - Counts are from the Motor Vehicle Division of the New Mexico Taxation and Revenue Department.

Population - Counts are from U.S. Department of Commerce, Bureau of the Census, Population Estimates Branch, February 1994.

Cost estimates - The cost of crashes in New Mexico is based on Federal Highway Administration estimation formulae (*The Cost of Highway Crashes*, FHWA-RD-91-055, Federal Highway Administration, 1991). These are estimates, not actual dollar amounts. Included are direct costs such as lost wages and medical expenses, and indirect "willingness to pay" estimates of lost quality of life.

Million vehicle miles (MVM) - computations are based on the daily average vehicle miles traveled and system mileages by county and functional classification (*1993 New Mexico Traffic Survey*, page 24) from the Highway Planning and Research Division of the New Mexico State Highway and Transportation Department. In 1988, the Highway Planning and Research Division made changes in its traffic monitoring methodology. These changes mean that discretion must be used in directly comparing previous and current years' MVMs and any rates based on MVMs. Also, the MVM figures for 1993 are for federal fiscal 1993.

National death rates - Figures are calculated using fatalities from *Monthly Traffic Fatality Report*, National Center for Statistics & Analysis - Research & Development, National Highway Traffic Safety Administration, U.S. Department of Transportation, and population from the Census Bureau.

National crash rates - The data for the national crash rates are derived from the General Estimates System (GES) which began operation in 1988. Care should be taken when comparing National and New Mexico crash rates because the statistics derived from the GES are estimates based on a sample of crashes.

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UNIVERSITY OF NEW MEXICO

The Division of Government Research provides specialized information processing services and analysis to a wide range of clients in New Mexico and around the nation. We are happy to have prepared this annual report for the N.M. Traffic Safety Bureau for the fourteenth year. This report displays a very small fraction of the data and information we have available about traffic crashes and highway conditions. In preparing this report, we have drawn on computer files that we maintain for the Traffic Safety Bureau of the New Mexico Highway and Transportation Department.

Of interest to those with responsibilities for highway safety are other products the Division has produced such as:

PAPS -- Project Area Problem Summary -- one page summary for each county and municipality with more than 40 crashes in a year.

Intersection crash reports for municipalities with more than 5,000 population.

GRNDB -- Geographic Road Network Database -- provides comprehensive computer mapping capabilities for all state highways in New Mexico. Any data about rural highways in this report can be portrayed in geographic context by using GRNDB.

DWI Report -- In-depth review of statistics concerning the offense of Driving While Impaired in New Mexico. Information is drawn from a variety of databases. The 1992 report is currently available, with the 1993 report available in November 1994.

For further information about our specialized services in this and other fields, please contact the Acting Director -- James W. Davis -- at (505) 277-3305.

ACKNOWLEDGEMENTS

This report was produced by: John S. Toops and Zesa Corbitt. Bich-Hanh Nguyen was the project leader and editor.

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New Mexico Traffic Fatalities by County, 1993

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